

## SEPTEMBER AND OCTOBER ACTIVITIES

### NOGS Events

#### September 11 - NOGS Luncheon

Roger Kocken, Chevron North America Upstream, will present "Recovery Factors and Residual Hydrocarbon Saturations Based on Wells Drilled Through Depleted Reservoirs; Examples From South Pass 78 Field, Gulf of Mexico."

(See Page 7 for Abstract and Biography)

#### LE PAVILLON HOTEL

Check with concierge or  
desk for location

Lunch served at 11:30am

#### ADMISSION:

with reservation ..... \$25.00

without reservation ..... \$30.00

Student Member with reservation ..... Free

#### September 15 - NOGS Fall Kickoff Party

At Chad's Bistro in Metairie. See announcement on page 19.

#### October 9 - NOGS Luncheon

Dr. Roy Dokka, of the Center for Geoinformatics, Louisiana State University, Department of Civil & Environmental Engineering, will present "The Role of Geology in Coastal Engineering Challenges Along the Gulf Coast."

That's not a typo at the top of the page, rather a one-time advertising gimmick to get you to visit the NOGS website at [www.nogs.org](http://www.nogs.org). Why? Well as it turns out, the NOGS LOG expense is our single largest operating cost projected to be over \$33,000 for 2006-07. If you elect to receive the LOG online, instead of a mailed hardcopy, it will help to streamline the NOGS budget by reducing our printing and mailing costs. This will allow us to put more resources to work for the membership and our beneficiaries. By visiting the NOGS website, you can download the NOGS LOG in the same pdf format you are used to receiving complete with advertisements and the columns you enjoy reading. Please notify the NOGS office by phone at (504) 561-8980, or by email [info@nogs.org](mailto:info@nogs.org), if you would like to take advantage of this option. If you wish to continue to receive the mailed hardcopy, then no action is required on your part, you will continue to receive your monthly copy in the mail. The New Orleans Geological Society appreciates your continued support.

#### FROM THE EDITOR



Robert Rooney  
Editor *NOGS Log*

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**N.O.G.S. Fall 2006  
Field Trip  
"Hurricane Katrina –  
What Happened?"  
November 4  
see announcement on page 18**



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KNOW WHAT THEY KNOW.**



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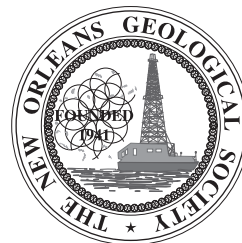
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The office is located at Suite 300, 810 Union Street, New Orleans, LA 70112.

Correspondence and all luncheon reservations should be sent to the above address.

Sent to press on August 14, 2006.

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--- NOGS Contact List continued on page 29---

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*from the President*

## **“Mentors”**

At a recent NOGS meeting, a member lamented to me the recent passing of Shelby Smith, as someone who was his mentor at Texaco. We all have "Shelby's" in our memories.

Some of the people whom we remember best are those people who shaped our careers, shaped our lives, and shaped how we think. We remember those people who went out of their way to make us better, not because it brought them fame or fortune, but because they thought it was the right thing to do. As a senior at Cincinnati, I thought I would get in to grad school at Texas. When that failed to occur, it was already late in the year and my advisor was nowhere to be found. I will never forget how Dr. Warren Huff - yes, he the master of all that is K-bentonites - stepped up for me and not only located schools with openings, but found assistantship money as well, which is how I ended up at Florida.

I did an environmental thesis at Florida, and given that it was still several years prior to the creation of the EPA, the major companies weren't interested in someone whose thought process and geological skills were not in tune with an oil industry boom. However, as the last of my funds was running out, I was hired by the Conservation Division of the USGS, which became the MMS not long after I left in 1980. I can still hear on my first day of work Supervisor Floyd Bryan yelled to Bob Pike, "Hey Bob, show him what pay looks like!" Those were two individuals who took the time to help me begin my career.

In my early days at CNG, there were also two persons who were mentors to me: the late Dick Ward, who taught me seismically what a commercial prospect looked like; and the late Louis Arrington, our reserves auditor, who taught me the right way to calculate reserves. These individuals made me a more effective oil finder, and taught me you did not have to cheat to win, and that getting it right is more important than getting it bigger.

I learned from myself as a consultant that I was neither good enough, nor inclined to be a businessman, which is one reason that today I work for Tracy Krohn, rather than he work for me. I love my job, and our

department has great chemistry. We help each other, so that those with strengths at one spectrum of exploration can supplant the skills of their colleagues. We continue to mentor each other.

NOGS is no different. We have taken strides to amend our constitution and bylaws to provide continuity at the Presidential, Treasurer, and Editor positions. Leaders, including many of our past presidents, have continued to mentor the organization - and me - well beyond their respective presidencies.

Recently, Jim Zotkiewicz expanded the mentor concept in his committee assignments for the "Best Convention That Never Was" GCAGS 2005. He had new committee chairmen in each position, backed up by someone who had experience with that segment of the convention.

If you are a committee chairman, do you have someone in mind who can take your place if you are suddenly transferred? Is there someone you can mentor for your committee?

Have you signed up for a committee and have yet to be contacted? We are going to find you. Did you work a committee for GCAGS? When AAPG comes in 2010, you will be an experienced person in your committee area, and we will very badly need your help.

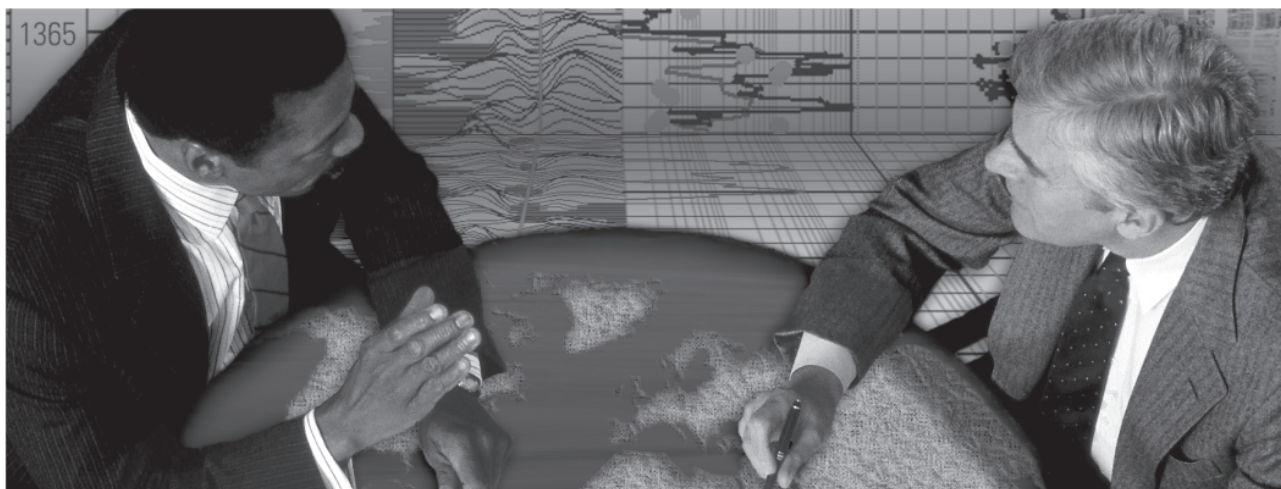
There are those of us wearing more than one hat in NOGS, and we need to delegate, not only to those with some committee experience, but to those who have not before participated. This is the reason that, despite a recommendation to disband the New Geologist committee, I am opposed to its demise. It is this group which we must grow, to get interested in our profession, and for us to mentor if we are to continue to advance the New Orleans Geological Society. We need your enthusiasm in outreach, in contemporary thinking, and ultimately in the decision matrix of the organization. In return, we will mentor you to lead our organization and the profession of geology. When we contact you, all you need to do is say yes.

*Michael Fein*

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## September 11 Luncheon Presentation

# Recovery Factors and Residual Hydrocarbon Saturations Based on Wells Drilled Through Depleted Reservoirs; Examples From South Pass 78 Field, Gulf of Mexico

presented by

**Roger Kocken**

Chevron North America Upstream

### ABSTRACT

South Pass 78 field is located near the Mouth of the Mississippi River, approximately 85 miles south of New Orleans Louisiana. The field produces from over 50, Pleistocene to Lower Pliocene aged sands, located above and on the flanks of a moderately deep seated salt dome. Most of the sands were deposited in a deltaic environment in the highstand and transgressive system tracks. The sands are productive from 3000 - 15000 feet. Various different types of reservoirs are productive, ranging from depletion drive gas reservoirs to strong water-drive oil reservoirs. The field was discovered in 1972, with installation of production facilities and initial drilling completed in the 1970' and early 1980's. The field has produced over 70 million barrels of oil and 860 BCF of gas and currently is producing over 6,000 barrels of oil and 20,000 MCF of gas per day.

Well logs from recently drilled wells can be used to evaluate the hydrocarbon recovery in depleted reservoirs. These

open hole logs are used to calculate residual hydrocarbon saturation and determine sweep efficiencies. This data combined with cased hole pulsed neutron logs can be used to more accurately determining hydrocarbon recovery factors.

For example, in a prolific water-drive oil reservoir, the residual oil saturation calculated from open hole logs drilled through the swept zone was 20 to 25 %. Taking this information along with the initial oil saturation of 75 to 85 % yields a recovery factor from  $((\text{initial oil saturation} - \text{final oil saturation}) / \text{initial oil saturation}) = (.85 - .20) / .85 = 76\%$  to  $(.75 - .25) / .75 = 67\%$ . In addition the log data showed that all the sand lobes were being effectively drained; implying very good sweep in the reservoir. This higher recovery factor (approximately 70%) was used in conjunction with pulsed neutron logs and production data to help explain the apparent over production of the reservoir and is being used to help justify two additional wells.

### BIOGRAPHY

**Roger Kocken** is currently a Staff Geologist with Chevron in New Orleans. In his current position he is the Asset Development Geologist for South Pass 78 Field in the Gulf of Mexico. One of his responsibilities is to identify additional drill opportunities by incorporating seismic, log, and production data into a comprehensive reservoir studies.

Roger graduated from the University of Wisconsin-EauClaire in 1979 with BS degrees in Geology and Chemistry, and

received his Master's degree from Iowa State University in 1982. After working for Chevron for three years, Roger left to pursue a PhD in Geology from the University of Illinois in which he completed in 1989. He has been working for Chevron since in a variety of exploration and development assignments.

Roger and his wife Kim live in Covington; they have three children; two in college and one in high school.

**THE LUNCHEON RESERVATION DEADLINE IS SEPTEMBER 6, SO CALL THE NOGS OFFICE - TODAY!**

### “And Looking Ahead...”

The next luncheon will be October 9. Dr. Roy Dokka, of the Center for Geoinformatics, Louisiana State University, Department of Civil & Environmental Engineering, will present “The Role of Geology in Coastal Engineering Challenges Along the Gulf Coast.” Contact the NOGS office at 561-8980 or use the e-link on the NOGS website ([www.nogs.org](http://www.nogs.org)) to make your reservation.



Mike Fein (l) greets Luncheon Speaker Ken LaBry at the August 7th luncheon at Le Pavillon.

## NOGS 2006-2007 Incoming Board of Directors



*Back row l-r:* Art Johnson – President-elect; Willis Conaster – Director 2009; Robert Rooney – Editor; *(front row l-r)* Reino Clark – Treasurer; Mike Fein – President; Bill Whiting – Director 2007; Al Baker – Director 2008; *(not pictured)* Bob Murphy – Vice President; Jeanne Phelps – Secretary; Tim Piwowar – Editor Elect.

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*Back row l-r:* Robert Rooney – Editor-elect; George Rhoads – Director 2006; Scott Wainwright – President; *(front row l-r)* Tom Hudson – Secretary; Paul Post – Editor; Michael Fein – President-elect; Bill Whiting – Director 2007; Al Baker – Director 2008; *(not pictured)* Bret Hampton – President pre-Katrina; Bob Murphy – Vice President; David Balcer – Treasurer.




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## NOGS Donation to the UNO Geology Student Disaster Fund

Mike Fein (pictured below right) presents a donation to the UNO Foundation, on behalf of NOGS, for \$8,000 to Dr. Shea Penland of the University of New Orleans Department of Earth and Environmental Sciences. The donation will assist the department and its students with recovery from damages related to Hurricane Katrina.

If you wish to make a contribution to this fund, please mail a check payable to “UNO Foundation Geology Relief Fund” c/o:

Dr. Mark Kulp  
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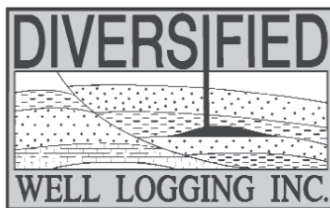






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# BLAST FROM NOGS PAST

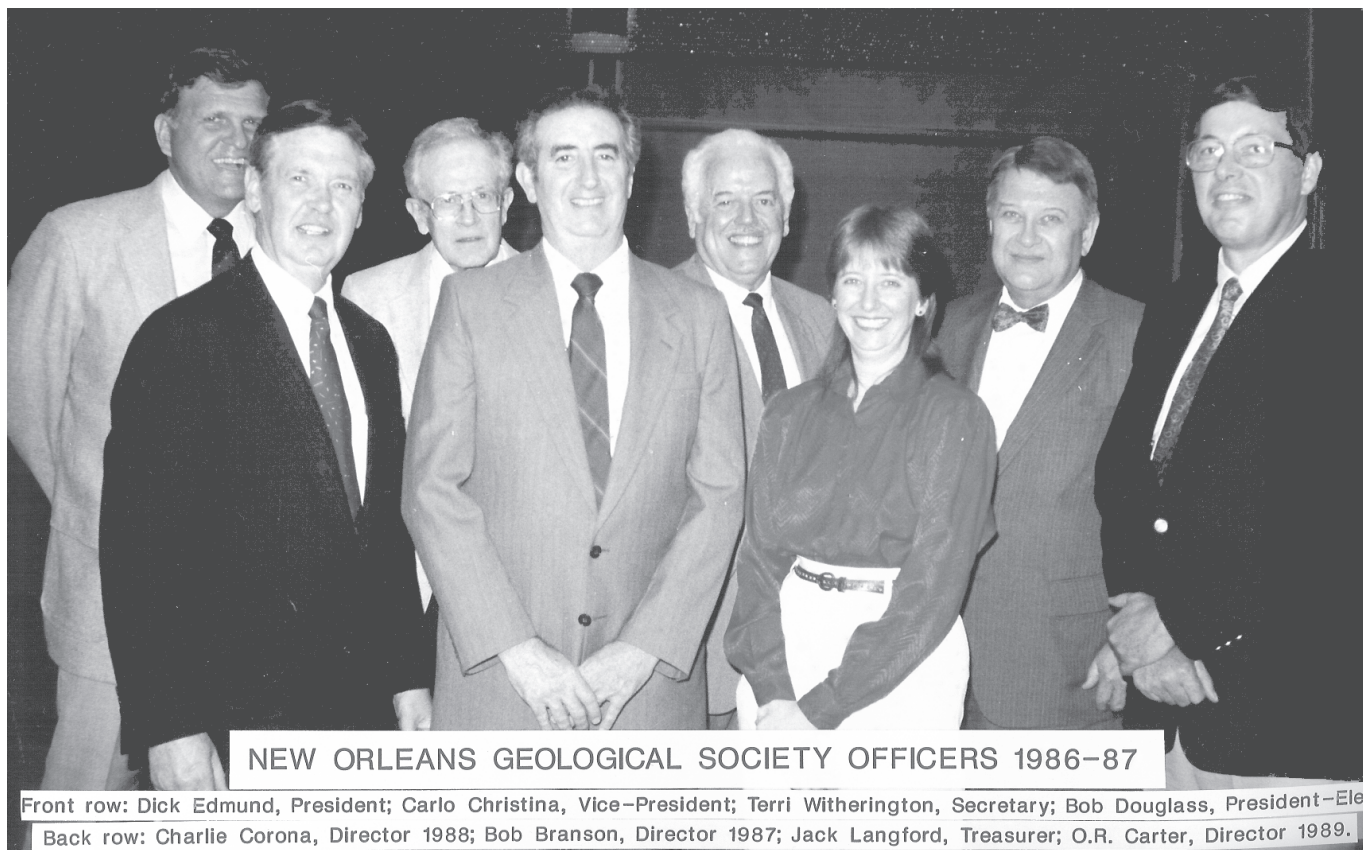
We hope you enjoyed last month's inaugural version of past highlights. This month we've also included a photo of the 1986-87 board that contains a few familiar faces.

10 Years Ago (Sept. 1996): The INFO Tidbits section highlighted an OJG article that lamented that Iraq is probably the least explored Middle Eastern country. "If only the politics there were different."

20 Years Ago (Sept. 1986): James A. Hartman's President's column remained optimistic about the future of the petroleum industry in the midst of wholesale layoffs. "It seems clear to me that within the next year or two at most the US will be back in the clutches of OPEC. Crude oil prices will soar and lines at the gas pump may again be a reality."

53 Years Ago (Sept. 1953): The newsletter that served as a precursor to the NOGS LOG announced the last call for paying dues. "Your membership will be continued and your ballot will be counted upon receipt of THREE DOLLARS (\$3.00) for 1954 dues."

*-Tim Piwowar*

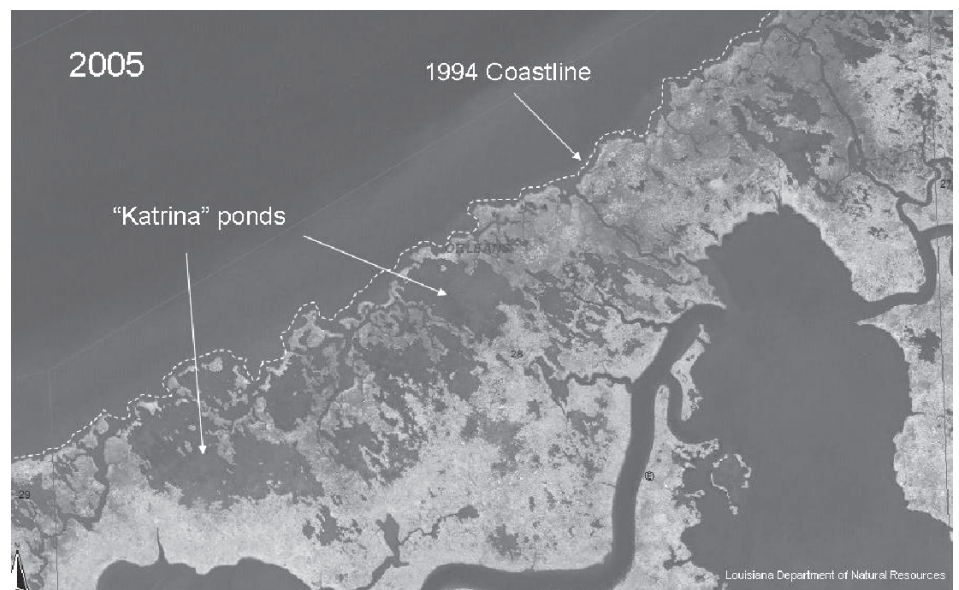
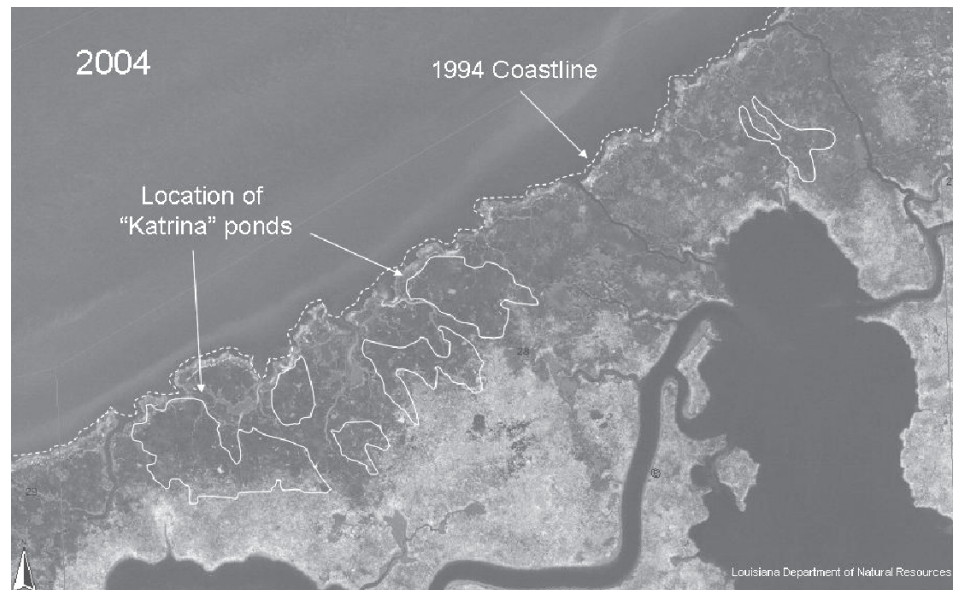
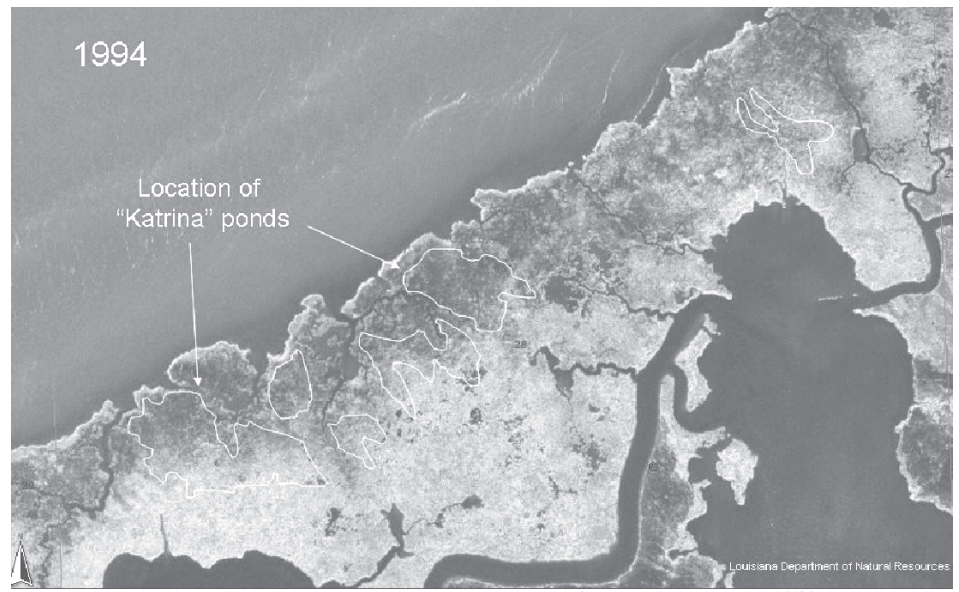


NEW ORLEANS GEOLOGICAL SOCIETY OFFICERS 1986-87

Front row: Dick Edmund, President; Carlo Christina, Vice-President; Terri Witherington, Secretary; Bob Douglass, President-Elect  
Back row: Charlie Corona, Director 1988; Bob Branson, Director 1987; Jack Langford, Treasurer; O.R. Carter, Director 1989.

2005 Coastal Photographs Reveal Geomorphologic Changes: Aerial photographs of different vintages, available through the DNR's SONRIS website at [http://sonris-www.dnr.state.la.us/www\\_root/sonris\\_portal\\_1.htm](http://sonris-www.dnr.state.la.us/www_root/sonris_portal_1.htm), allow a cursory look at recent changes to the South Louisiana landscape.

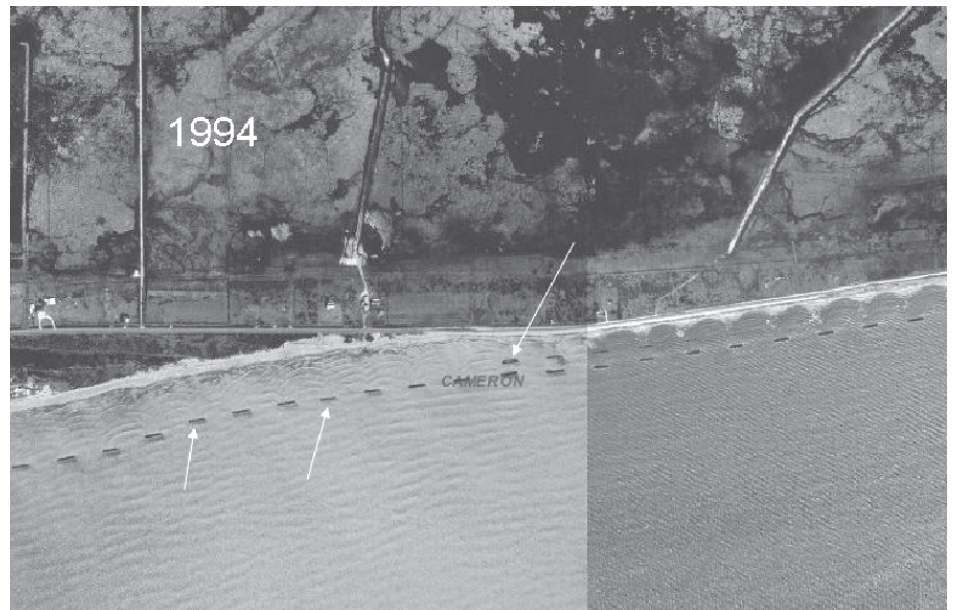
To the right, photographs from the Rigolets in Orleans Parish, from 1994, 2004, and 2005, show gradual recession of the shoreline with time, as well as catastrophic removal of marshland and creation of inland ponds as a result of Hurricane Katrina in 2005. (Distance across the photograph is approximately 1 mile).





These photographs from Cameron Parish, show offshore concrete blocks (arrows) designed to help stabilize and promote beach accretion, from 1994, 2004, and 2005. No visible land loss is observed in this locality by 2005 after Hurricane Rita. Instead, it appears this area has experienced a net gain of coastline. (Distance across the photograph is about 1.5 miles).

**Robert Rooney**





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New Orleans, Louisiana • 1-6 October 2006



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- ▶ Input online at <http://meeting.seg.org>
- ▶ Use forms inserted in the Annual Meeting Announcement
- ▶ Contact SEG Business Office, and we will fax the forms to you

▶ Advance Registration ..... Opens – 6 July 2006

▶ Housing Reservations .... Opens – 1 July 2006

### TECHNICAL LUNCHEONS AND MEETINGS

All 2006 Annual Meeting registrants are welcome to attend the Technical Luncheons and Receptions held at the Ernest N. Morial Convention Center. Seating is limited.

#### Tuesday, 3 October:

##### GRAVITY AND MAGNETICS LUNCHEON

Speaker: Dr. Anthony D. Socci Topic: Near-Term and Long-Term Effects of Climate Change

##### NEAR-SURFACE GEOPHYSICS SECTION MEETING AND RECEPTION

#### Wednesday, 4 October:

##### DEVELOPMENT AND PRODUCTION LUNCHEON

Speaker: Nader C. Dutta Topic: Natural Gas Hydrates: Detection and Quantification of This Potential Hydrocarbon Resource and Drilling Hazard

##### MINING AND GEOTHERMAL LUNCHEON

Speaker: Mike Doggett Topic: The Economics of Mineral Discovery in the Early 21st Century



WALK  
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WALK

### VISUALIZATION THEATRE

This year SEG will feature an 80-seat Open Visualization Theatre located in the Exhibit Hall. This open-theatre concept will provide attendees to the conference with three days of presentations covering most visualization solutions that are currently available to the E&P industry.



### WORKSHOPS

Convention Workshops are offered after the Technical Sessions close on Thursday and continue through Friday. Entry into any or all workshops is available for only US\$60 with advance registration. Students are admitted free with their "Student" badge.

#### Thursday, 5 October:

- SQUID Technology for Geophysical Exploration
- Integration of Seismic and Electromagnetic Measurements
- Modern Acoustic Logs: What Are We Measuring?
- The 10 Feb 2006, Magnitude 5.2 Gulf of Mexico Earthquake: Insights and Implications

#### Friday, 6 October:

- Geophysics of Heavy Oil
- The Value of Borehole Seismic to Reservoir Characterization
- Stress Effects on Velocities
- How Inaccurate Is My Interpretation? A Workshop on Uncertainty
- Geophysical Methods and Techniques Applied to Uranium Exploration
- The University Partnership: Healthy or Not?



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## NOGS FINANCIAL STATEMENT 2005-2006

NOGS finances are tracked through the Office Operations checking account and four investment accounts.

### 1. Publications:

Funds from sale of publications after postage expenses, refunds and amounts that are due HGS are paid. This account pays to the operations checking account \$300.00 per quarter for office overhead, etc.

### 2. Memorial Foundation:

Funds from donations to the Memorial Foundation after expenses of Scholarships and postage. Until October of 1999 this account paid NOGS \$300.00 per quarter for office overhead, etc.

### 3. FONO:

Funds from donations to the Friends of NOGS Office Fund (FONO). There are no expenses credited to this account and the interest from this account is to be used for office operations as needed.

### 4. Operations Investment Account:

Cash in excess is transferred to the Operations Investment Account.

The following are the balances on NOGS accounts:

Hibernia Homestead Checking Account as of June 30, 2006: \$49,951.85

Salomon Smith Barney Publications Account as of June 30, 2006; \$84,991.04 up \$4,971.74 from 2005

Salomon Smith Barney FONO Account as of June 30, 2006: \$169,453.79 up \$2,191.95 from 2005

Salomon Smith Barney Operations Account as of June 30, 2006: \$141,613.25 up \$1,972.75 from 2005

2005-2006 Operations Income – Expenses (excludes Smith Barney Accounts and Memorial Fund)

2005-2006 Income	\$118,264.91
2005-2006 Expenses	\$100,518.07
Net Increase	\$17,764.84

Totals: Sum of All Accounts as of June 30, 2005:	\$407,947.02
Sum of All Accounts as of June 30, 2006:	\$446,009.93
Appreciation:	\$38,062.91

*Dave Balcer, Treasurer 2005-2006*

## NOGS MEMORIAL FOUNDATION YEARLY REPORT 2005-2006

### GENERAL FUND

#### Income:

Interest	\$12,180.37
Qualified Dividends	3,492.15
Other Dividends	7,467.70
Capital Gains LT	561.67
Capital Gains ST	3,658.74
Money Fund Earnings	969.40
Contributions	20,407.13
<b>TOTAL</b>	<b>\$48,737.16</b>

#### Expenses:

Scholarships	\$22,500.00
UNO/Field Trip	0.00
NOGS Office Rent	0.00
Accountant Fees	625.00
Scholarship Luncheon	0.00
Miscellaneous	5.00
<b>TOTAL</b>	<b>\$23,130.00</b>

*Brenda Reilly*

### SMITH BARNEY ACCOUNT

Value of Investments June 30, 2006	\$599,691.63
Value of Investments June 30, 2003	\$522,739.00

The scholarships were paid in December, 2005 by mail because most of the students were still out of town.

Net Increase(decrease)	\$ 76,952.63
------------------------	--------------

### VANGUARD ACCOUNT

Value of Investments June 30, 2006	\$119,284.47
Value of Investments June 30, 2003	\$ 65,547.07

Net Increase(decrease)	\$ 53,737.40
------------------------	--------------

(Note: The last published Memorial Foundation Yearly Report was June, 2003. This year's reported increases in values are from that date.)



# NOGS Geologist Finds Jurassic Wonders In Wyoming

Many earth scientists got their start fascinated by fossils and in particular dinosaurs. One such geologist, Bob Simon, has seen his interests come full circle.

Bob's interest in geology started with early fossil excavations in his home state of Virginia. Sharks teeth were quite plentiful in many locales and one of Bob's first big finds was a large section of whale vertebra he was able to excavate from Tertiary sediments in the area. Bob also collected many rocks and minerals from the Appalachian Mountains nearby. Trips to the Smithsonian as a child fueled his interest in dinosaurs.



After graduating from Virginia Polytechnic Institute in Blacksburg, Bob moved down to New Orleans as a geologist with Chevron in 1981. Bob worked in development and exploration roles with Chevron including the development of the Norphlet trend in offshore Alabama. Bob continued his collecting of fossils building up a sizeable collection with many vacations spent at dig sites. Bob often attended the Tucson Gem and Mineral Show, returning with spectacular fossils and minerals for him to add to his substantial collection. While in New Orleans Bob was actively involved in NOGS, working as the LOG editor for several years and then was instrumental in building NOGS School Outreach Collection providing many of the critical dinosaur bones himself. Bob gave many school presentations and graciously provided extensive portions of his collection as displays at the Louisiana Nature Center and Louisiana Children's Museum Super Science Saturday outreach events. In the late 1990's Bob started working dig sites in Wyoming. In 2000 Bob found his current site near Shell Wyoming in the Big Horn Basin, that year he found some significant bone beds. In 2003 after 22 years at Chevron, Bob decided to follow his dreams and go full time into fossil work. His year consists of 3 months in the field in Wyoming and 8 months prepping fossils in northern Virginia, an hour outside of Washington D.C.

Bob's company Dinosaur Safaris provides a hands on dig site experience for the aspiring young paleontologist. The dig site has yielded Jurassic age bones from many large sauropods including Diplodocus, Apatosaurus, and Camarasaurus, as well as carnivores, Allosaurus and Torvosaurus.



In 2004, Bob unearthed a Stegosaurus Sarah which is one of the most complete Stegosaur ever found. As good fortune would have it a nearby Swiss team was available to help in the daunting task of documenting the bone find and removing Sarah carefully for further scientific study. Sarah has been residing in the Saurien Museum in Switzerland the last two years where Swiss paleontologist, Kirby Siber has been overseeing her preparation and mounting. Further details and photos are available at Bob's website [dinosafaris.com](http://dinosafaris.com).

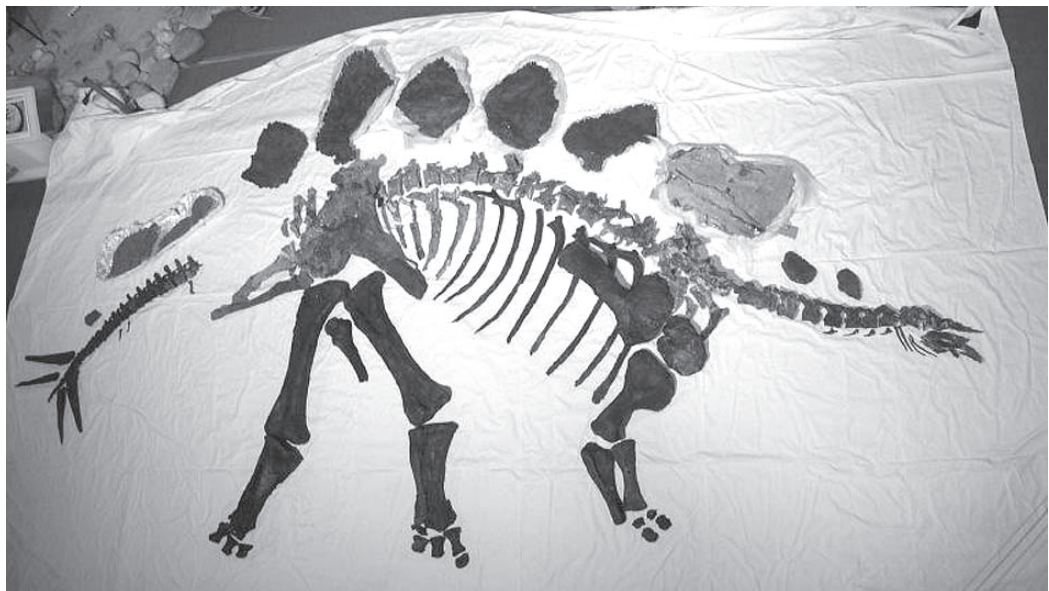
Even though the hot summer sun may be relenting at times, there's no place Bob would rather be than uncovering the next Jurassic find. We caught up with

Bob recently via email from his dig site with more from his latest findings: – "Exploring for dinosaur bones is very similar to exploring for oil and gas. There is always an element of risk of finding anything, but when one hits a pocket of bones,

it is as exciting as bringing in a great well. This summer has been very exciting. We discovered a partially articulated Camptosaurus (plant-eating dinosaur) that we named Arky. The dinosaur is over 70% complete and will be 15 feet in length. We also unearthed a partial Camarasaurus (large plant eating dinosaur, including a 16 foot articulated tail section). I am currently working on a beautiful Diplodocus neck section that is currently 18 feet in length with more of the skeleton being found with each day of digging.”

It’s encouraging to see a fellow earth scientist follow his dreams, add to the scientific legacy and inspire others.

-Tom Bergeon

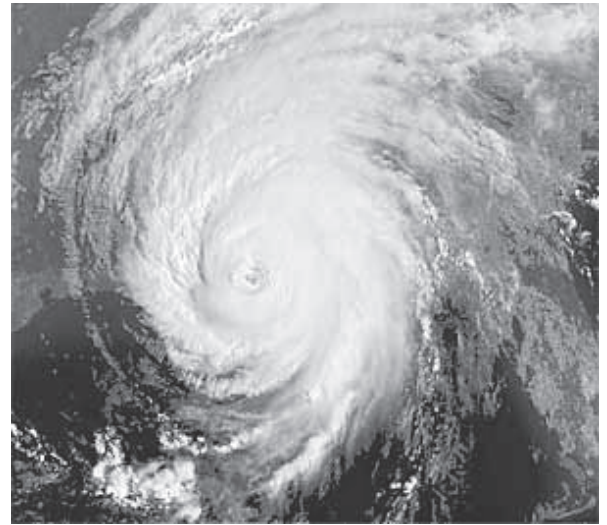




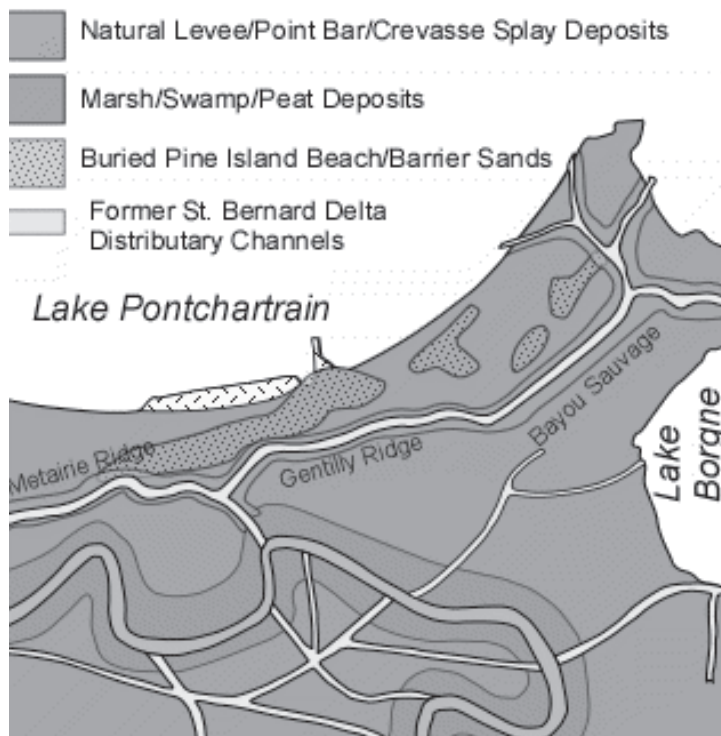
# N.O.G.S. Fall 2006 Field Trip Announcement

## “Hurricane Katrina – What Happened?” Saturday November 4, 2006 8:30am – approx. 2pm

Tour Guide: **Dr. Stephen Nelson**, Tulane  
University



Take a geological tour of the devastated areas of New Orleans. Learn and analyze what happened from a geological point of view. The land on which New Orleans is built has origins that began about 4,000 years ago. As sea level was rising after the last glacial maximum, a series of barrier islands was built outward from the coast of Mississippi across what is now the southeastern edge of Lake Pontchartrain. Then, the Mississippi River began to build delta complex and associated distributary channels that are now the Metairie Ridge and Gentilly Ridge. The natural levee deposits built high areas and the channels eventually filled in with sediment. Between the distributary channels, the low areas became swamps. The city of New Orleans was built in these low areas and a man-made levy system was created to protect the city's low-lying areas from hurricanes and other natural disasters. This system failed when Hurricane Katrina made its landfall as a Category 3 storm on the morning of August 29 in southeast Louisiana.

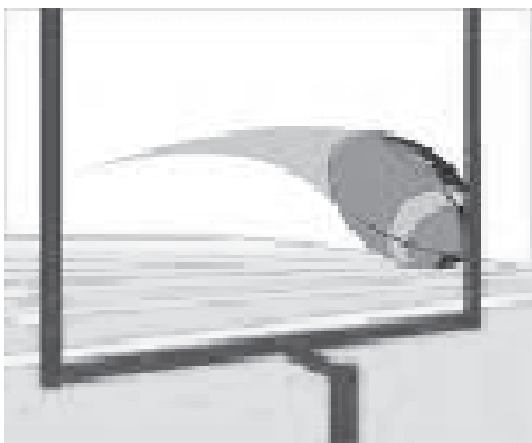


Dr. Nelson has graciously agreed to do this trip at no charge to N.O.G.S. members. A field guide and other relevant material can be viewed and downloaded from Steve's website (<http://www.tulane.edu/~sanelson/Katrina>). Volunteer drivers are needed to ensure the group moves efficiently between stops.

The trip will depart at 8:30am from the horseshoe drive in front of Tulane University on St. Charles Ave. and end at approximately 2pm near the 17<sup>th</sup> Street canal levee breach. Tentative plans then are for those interested to proceed to nearby Bucktown for eats and refreshments.

To enroll, get more information and to volunteer to drive, please contact David Garner at 504-728-6154 and [david.garner@shell.com](mailto:david.garner@shell.com).





# NOGS Fall Kickoff Party

September 15, 2006

4:00- 6:00 pm

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# New Orleans Geological Auxiliary News

No one can dispute the fact that this has been a year like no other! Whether you are anticipating the future or feeling anxiety concerning the past, one trait we all share is not to take anything for granted. Those who know me can attest that I never thought I would ever be writing a column for the NOGS LOG. However, it is my pleasure, and I appreciate the opportunity to serve as your 2006-2007 President of New Orleans Geological Auxiliary. Thank you for placing your trust in me.

Following in the footsteps of Beverly Kastler is going to be a difficult task. On behalf of NOGA, saying "Thanks" is truly inadequate. Beverly's leadership and commitment to NOGA, has been an inspiration to all of us. Beverly has been dynamic and loyal in her role as President, in spite of the trials and tribulations she endured during and after Hurricane Katrina. She has been a true blessing, and we are all grateful to her dedication to our Auxiliary.

The NOGA Board resumed our first meeting in January, 2006. I was amazed and touched at the response of the Board, and in their concern for all NOGA members following the hurricane. As we went through the Membership Directory, we determined the current status of how each member fared during the storm and if they were safe, had they moved or stayed. After everyone was accounted for, I realized that NOGA is not only an Auxiliary but a circle of friends that go beyond an organization. We love to have fun, socialize and build memories along the way, but when crises happen, we are also there to share in each other's sorrows and disappointments. We openly welcome any new members to come and join us, and would love for you to share in our "get-togethers" whether it is at evening functions for NOGS or at our luncheons. NOGA meets four times a year (from September to May) so please take advantage of this invitation to join us and meet an incredible group of women.

The Board this year is very, very special! Linda Peirce, our First Vice President, is not only a special friend, but a hard working member. She always accepts anything asked of her with a smile and has a wonderful sense of humor. Jean Jones (our female version of Tiger Woods) is our Second Vice President. Without hesitation Jean accepted her new position exclaiming "I don't know what to do, but tell me, and I'll do it". Her zest and motivation is admirable. Peggy Rogers is returning as Treasurer. On behalf of the NOGA, I

thank you for your faithfulness in undertaking any and all tasks asked of you. Judy Lemarie' is our returning Secretary. She has donated her endless time and talents to NOGA for many years. In addition, I express my sincere gratitude to Carol Andrews, Earleen Rodan, Alma Dunlap, Dolores Murphy, Peggy Campbell and Ann Gilbert for accepting their position as Directors. Through the years you all have been an integral part of making NOGA a success. We are all grateful to each of you for your guidance and wisdom. In addition, to all of you wonderful, awesome and amazing ladies who have agreed to serve on the various committees, thank you very much for giving your time and energy. Your hard work will not go unnoticed.

The Planning Committee has and will continue to put forth a concerted effort for upcoming social events hoping to provide a memorable time for everyone. Mark your calendars for the September 13<sup>th</sup> Luncheon at the home of Ruth Grimes. This will be a relaxed and great time to "catch up" since we have last seen each other. Thanks go to Mim Brumbaugh, Peggy Rogers and Elizabeth Furlong for co-hosting this event and to Ruth for offering her home. If you are a new member, please come and join us at our first meeting.

Because our trip to Houma's House last year was cancelled, we have rescheduled our luncheon and tour of the home for November 8<sup>th</sup>. Once again, Alma Dunlap and Beverly Christina have agreed to Chair this luncheon. Ladies, I feel certain (well almost) we will make it there this year. I hate to say "Come \_ell or high water", but you get the message!

February 7, 2007 is the date that we planned for our trek to the Northshore. Longbranch Restaurant has received rave reviews, and we all will enjoy a great lunch in a beautiful atmosphere. Amber Klekamp, Mary Walther and Trez Zotkiewicz are co-hosting this event. As the time draws closer to this event, more information will become available. This luncheon offers a great way to begin the New Year.

Thanks to Ann and Louis Gilbert for offering their beautiful home as the site for our Spring Social. March 31, 2007 is the date chosen for this festive evening event. June Perret, Jean Jones and Carol Andrews will be co-hosting. This is never a party to miss with great food, great fun and great people!

May 9, 2007 marks the Finale' Luncheon of the year. This installation luncheon for the new officers and directors for 2007-2008 will be held at Austin's in Metairie. Thanks go to Judy Lemarie' and Dolores Murphy for co-hosting this luncheon, our last time together, before summer vacations.

I have one last request to some of the NOGS members. Oftentimes many of your spouses are unaware of our Auxiliary because they never have the opportunity to read the NOGS LOG. Should the LOG be mailed to your office, please take it home so that your spouse can discover what NOGA is planning. Thanks so much!

I am looking forward to serving NOGA through a fun-filled, safe and hurricane-free year!

Susie Baker, NOGA President

## NOGA Application Form

Dues: \$15.00

Name \_\_\_\_\_

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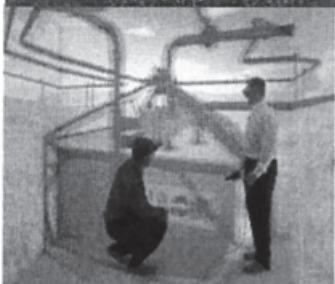
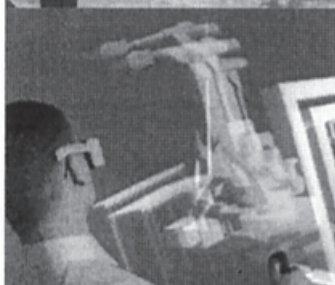
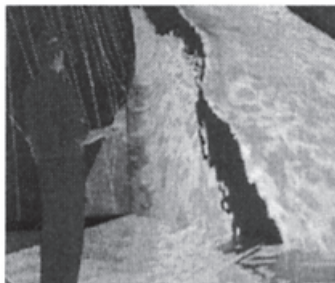
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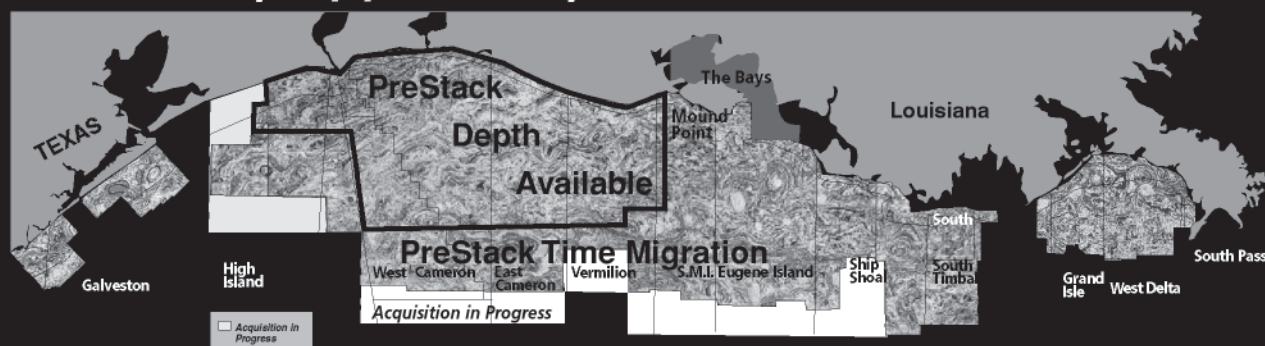
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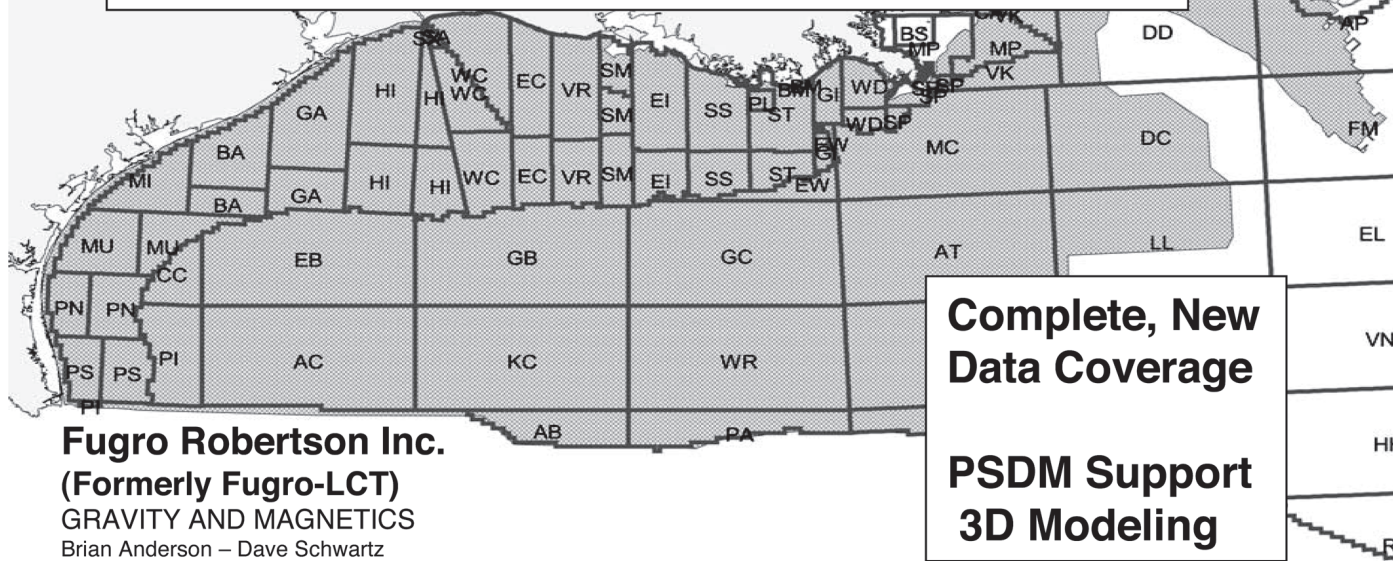
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*This is your page. We would like to fill it with your news. In addition to professional news from our members; e.g., promotions, transfers, moves, new employer, etc., we also welcome your success stories. Please e-mail items to [log@nogs.org](mailto:log@nogs.org).*

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## South Louisiana and Offshore Exploration and Production Activity

DRILL BITS

- Spanish oil and gas group **Repsol YPF** announced that it will buy BP's 28 percent stake in the Shenzi oilfield for \$2.2 billion on July 12. The Spanish oil major is moving to diversify away from Latin America where it faces growing resource nationalism; e.g., Bolivia and Venezuela. "The strategic rationale is to dilute the importance of Latin America in Repsol's portfolio," Richard Griffith, oil analyst at Williams de Broe in London said. BP said the sale would allow it to focus on reserves in which it had a more material stake. Griffith said BP was arbitraging between its assets - whose value reflect oil prices of around \$70 - and its shares - which effectively price oil in the \$40 - \$45 range. Consequently, "BP takes the view that if its shares are more lowly rated than its assets, it's better off selling assets and buying back shares," he said. BHP Billiton (44% and operator) and Hess Corporation (28%) are the other partners in Shenzi. Last month BHP Billiton announced their plans to develop the Shenzi field (Green Canyon 609, 610, 653, and 654) with a stand-alone TLP. Reserves at Shenzi to be developed are in the 350 - 400 MMBOE range. Additional upside is believed to exist in the field, ranging up to ~500 MMBOE. In a sign of things to come, Repsol added that it would buy additional blocks in the area that would be available for leasing in the future.
- **Total** (70% and operator) and **Nexen** (30%) announced that Alaminos Canyon (AC) 856 # 2, drilled in 7,800 feet of water to a TD of 15,625 feet, encountered 85 feet of oil pay in the main objective on July 12. This successful delineation well confirms the extent of the structure in AC 856. The well was a follow-up to the Gotcha prospect discovery, the AC 856 #1 that encountered 290 feet of oil pay, in the Perdido Fold Belt. The partners are currently evaluating development options for the block that is west-adjacent to, and perhaps part of, Shell's Great White discovery.
- **Hess Corporation** announced final drilling results on its Pony prospect at Green Canyon Block (GC) 468 on July 13. The well was drilled to a MTD of 32,448 feet and, based on wireline log evaluation, encountered 475 feet of oil saturated sandstones in Miocene-age reservoirs. (On May 17, Hess reported that the well had at that time reached a TD of 29,658 feet, and had encountered 300 feet of net pay based on LWD data.) Hess will next drill an appraisal sidetrack well approximately 4,000 feet to the northeast to obtain whole rock cores and wireline logs. This information will be used to refine estimates of net pay. Results to date have been consistent with pre-drill expectations. Total hydrocarbon resource on their acreage is estimated by Hess to be in the range of 100 - 600 million barrels of oil equivalent. Hess Corporation has a 100% working interest in this well. Pony adjoins, and may be part of, the Nexen et al. Knotty Head discovery in south-adjacent GC 512 (based on Hess publicly disclosed data).
- **McMoRan Exploration Co.**, the most active deep driller in the region, updated its activities on 22-May.

The Point Chevreuil exploratory well, MTD 17,274 feet (TVD 17,011 feet) with 96 net feet of hydrocarbon bearing sands over a 112 foot gross interval, was production tested in June at a gross rate of 9 MMCFGPD and 470 BCPD on a 15/64" choke with a flowing tubing pressure of 9,100 psi. Production is expected to commence by year-end 2006.

The Laphroaig exploratory well in St. Mary Parish, Louisiana commenced drilling on April 8, 2006, and as of July 20, was below 15,600 feet. PTD is 19,000 feet.

The Long Point Deep exploratory well at Louisiana State Lease 18091 in Vermilion Parish was spudded on April 27, 2006 and was below 15,500 feet on July 20. The well has a PTD of 23,000 feet. The well, 7,000 feet southwest of the Long Point #1 discovery well, will test additional horizons in a separate fault block from the discovery well and the successful #2 offset.



The Zigler Canal well, onshore Vermilion Parish, commenced drilling on June 17, 2006, and was being drilling below 11,700 feet towards a PTD of 13,500 feet as of July 20.

McMoRan expects to drill additional exploratory prospects during the second half of 2006, including Vermilion Block 54, Hurricane Deep at South Marsh Island Block 217, and North West Kaplan Canal. McMoRan currently has rights to over 350,000 gross acres and is also actively pursuing opportunities through its exploration venture to acquire additional acreage and prospects through farm-in or other arrangements.

- **BP** said on July 25 that two of its major GoM projects will be delayed. Subject to weather, BP hopes that production from the Thunder Horse platform will start up in early 2007, over a year later than originally planned. Anticipated rates for Thunder Horse are 250,000 BOPD and 200 MMCFGPD.

The Atlantis South oil project in the GoM is delayed and will be more expensive than planned. "Atlantis is a very small delay," Chief Executive Officer John Browne said in an interview in London on July 25. Exploration and production costs will be higher than estimated, he said. Tony Hayward, the company's head of exploration, said in a press conference in London that the start up will be delayed until early next year. It had been scheduled for late this year. BHP Billiton said on July 25 that Atlantis South costs may rise more than 30 percent to at least \$3.25 billion because of labor and equipment shortages. The project may begin production next year instead of this quarter, BHP said in a report. Hurricanes in the Gulf of Mexico last year reduced equipment availability, slowing work on the project, in which BP owns 56 percent and BHP 44 percent. Atlantis South will be able to produce 200,000 barrels a day of oil and 180 million cubic feet a day of gas.

- **Chevron** announced on July 26 that operations on the sidetrack well at the Big Foot discovery on Walker Ridge 29 have concluded. The block, approximately 225 miles south of New Orleans, La., is located in approximately 5,000 feet of water. The Big Foot Well #2 ST3 reached a TVD of 24,434 feet at a location approximately one-half mile north and significantly downdip of the discovery well. The sidetrack encountered the same pay intervals as seen in the discovery well with approximately 300 feet of net oil pay. Further appraisal drilling will be conducted, the timing of which is still under consideration.

Chevron owns a 60% working interest in Big Foot and is the operator. Partners are Anadarko (15%), Plains E & P (12.5%), and Shell (12.5%).

*Paul Post*

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--- continued from page 3 ---

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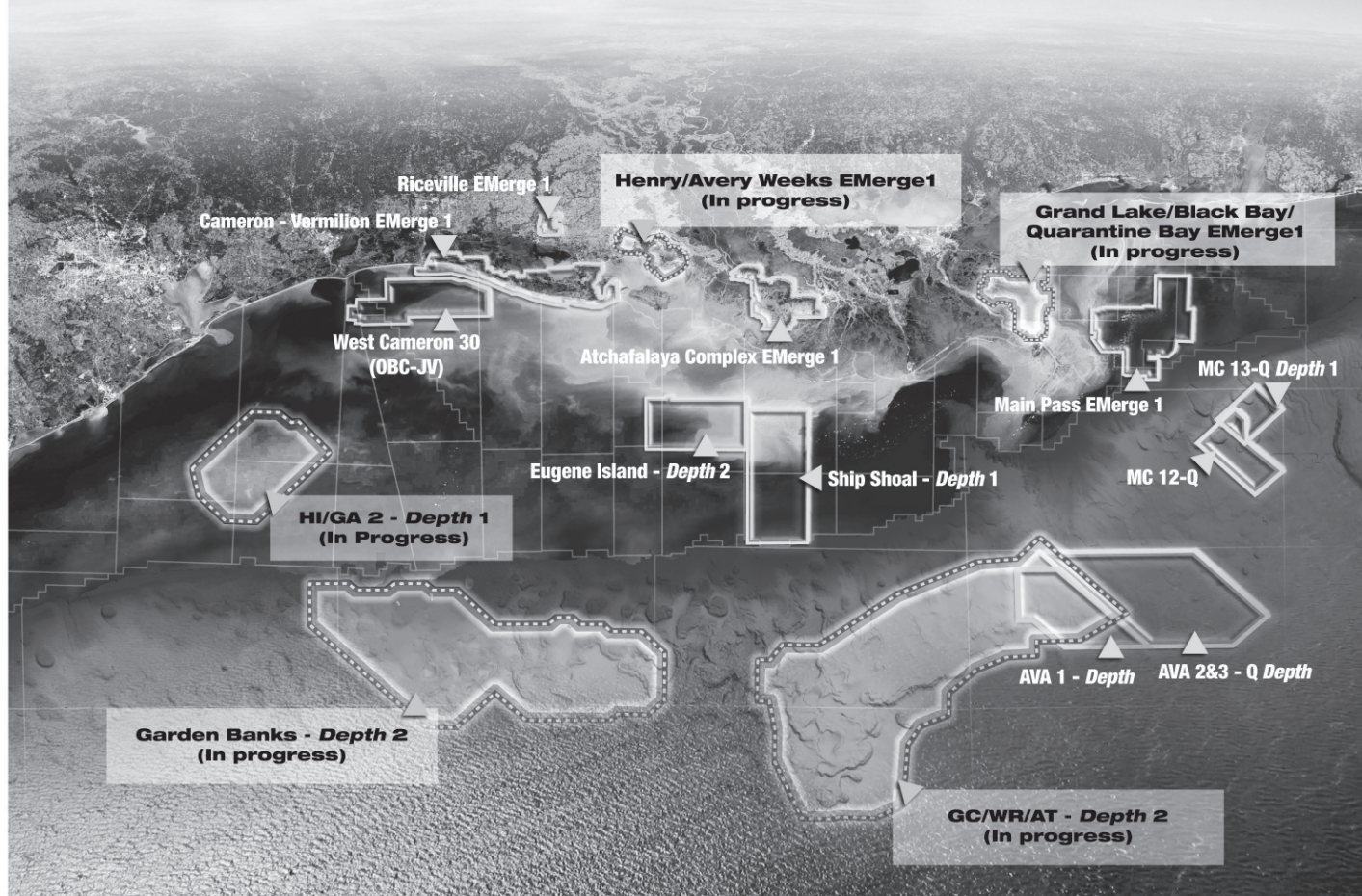
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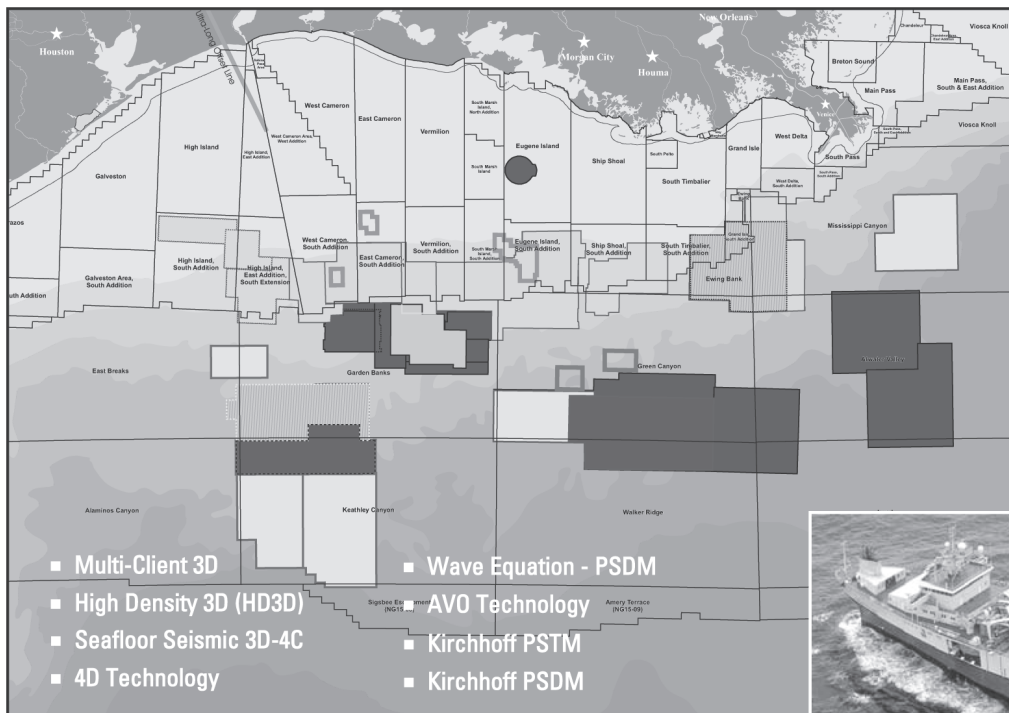
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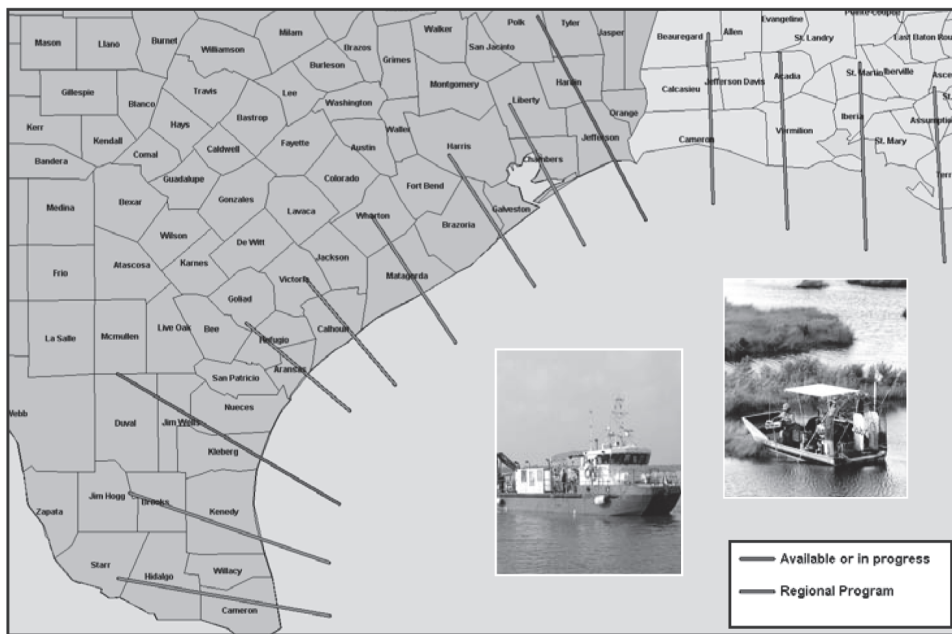


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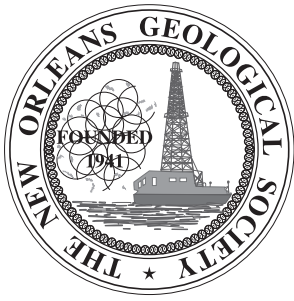


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